SPE JOURNAL

THE NATIONAL OFFICE OF SPE IN ATHENS, OHIO

Renee Begam, stenographer, and on the right, Bess R. Day, Executive Secretary of SPE.

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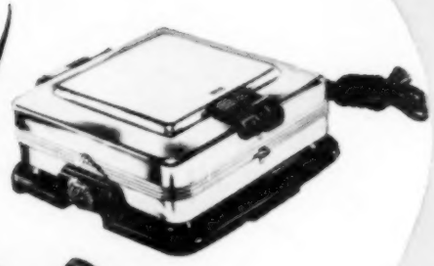

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SPE Journal

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INDEX

SECTION NEWS

Central Ohio ---- Inside Back Cover
New York ---- 6
Detroit ---- 8
Northwestern Pennsylvania ---- 6
Philadelphia ---- Inside Back Cover
Quebec ---- 6
South Texas ---- 7
Section Notes ---- 7

ARTICLES

THE WASHINGTON SCHOOL OF PLASTICS
By W. R. Bailey ---- 3
THE WORK OF THE NATIONAL OFFICE ---- 2

ADVERTISERS

ABA Tool & Die Co., Inc. ---- 6
Acme Marking Equipment Co. ---- Inside Back Cover
Art Roll Leaf Stamping Co. ---- 5
The Borden Co., Chemical Division ---- Inside Front Cover
Durez Plastics & Chemicals, Inc. ---- Inside Back Cover
Imperial Molded Products Corp. ---- 8
J. King Kent & Co. ---- 8
Miskella Infra-Red Co. ---- 7
Rogers Plastic Corp. ---- Inside Back Cover
Standard Tool Co. ---- 5
The Watson-Stillman Co. ---- Back Cover

Discovered!

The SPE Journal is being discovered by some very nice people. The Chemical Abstracts has requested back files and all future issues, for their abstracting. And Newsweek magazine wants our publicity releases for possible use in their weekly Science Department. Not to mention the happy fact that libraries, both company and public, are subscribing with increasing frequency.

At last the mountain is coming to Mohammed! To nearly 2500 Mohammeds, to be precise. The mountain, of course, is the new, revised and complete SPE Constitution, which after more than a year's labor, is on the printing presses. You should each be getting your own copy through the mail any day now.

Sweden

The very pleasant letter recently received from Jan-Erik Janson, executive secretary of Svenska Plast Foreningen (The Swedish Plastics Federation) is worth quoting here, in part:

"We publish technical papers which we call 'Svenska Plastforeningens Tekniska Meddelanden' and these contain mostly papers read at our meetings, now and then also reprints or translation of interesting articles in foreign technical periodicals. Most of these Tekniska Meddelanden are of course published in Swedish, now and then with a short summary in English, but some of them are also published in English or German. In the future I hope begin able to add a short summary in English to each Tekniskt Meddelande published.

"You are of course free to translate and publish these papers in your Magazine—

"Recently we also have started a publication, which is intended to become monthly and for circulation within the membership and which is called 'Plastforeningen Meddelar.'—This publication P.M. contains small notices about things we believe are of interest to our members.

"At last we also publish regularly

literature cards, by which we try to keep our membership *a jour* with current literature, books, booklets, and the like as well as technical periodicals."

The S.P.F. seems a near cousin of the SPE. We wish them continued growth and success.

Drug Containers

The National Security Industrial Association Task Committee to Evaluate Plastics for Drugs and Chemicals, headed by J. H. DuBois, was formed at the request of the Bureau of Medicine and Surgery Contact Committee. Their problem may be stated: "All field medical material development is striving for the following in its items of equipment and supply and their packages: minimum weight, cube and fragility consistent with availability and satisfactory function of the contents. The fragility factor particularly indicates the desirability of plastic bottles and containers for the packaging of drugs and chemicals, providing they can be so developed as to be inert to their contents under all climatic conditions." SPE members who have expressed willingness to serve on the Task Committee are W. O. Bracken, J. K. Honish, John A. Owen, J. Parliman, Louis F. Rahm and W. M. Ryan.

Mexico

Maquinaria Y Plasticos, S.A. announce their new location at Avenida Revolucion No. 375, San Pedro de los Pinos, D.F., Mexico. Telephone 154383.

Graf Moves

The **JOHN C. GRAF CO.**, formerly at 1524 Vine Street, have announced their new location at 1505 Race Street, Philadelphia 2, Pennsylvania.

L. S. SHAW

L. S. SHAW, who had earned the highest honor that the SPE can give, died at his home in Shelby, North Carolina, last month. He was one of the four Life Members of SPE, elected in recognition of unselfish and effective work he did in promoting SPE. Shaw joined SPE in November 1943 in Cleveland, and held the presidency there as well as other offices. He served as National Secretary-Treasurer in 1945, and was well known as an organizer and speaker.

An indefatigable worker, L.S. was well-known and well-loved. He was 69.

The Work of The NATIONAL OFFICE

DUES. The activities of your National Office are many and varied. The one most of you are familiar with is the collection and distribution of membership dues. A record is kept for each member. He is billed periodically until his dues for that year are paid. Once his dues are paid he is sent a membership card and his local section is sent half of his dues. The SPE is the only Society of its kind that sends fifty per cent of all money collected back to the local sections.

APPLICATIONS. The processing of new applications is a long and complicated task. When the section receives the application and initiation fee, the fee is sent to the National Office which acknowledges receipt of that fee. Anywhere from a month to a year or more after receipt of the fee the National will receive the application from the section. It is then sent to the National Credentials Committee for their approval. In about four to six weeks it is back ready for the last processing. The member and section are notified of the election. Accounting cards are prepared for the National Office and for the section office. He is put on the SPE Journal mailing list. He is billed for dues and his certificate of membership is placed in the file. Once his name has been engrossed on the certificate and the certificate mailed to him, the new member is a regular member in the records of the National Office.

The National Office supplies all application blanks, and the related forms, that are used by the local sections.

RE-APPLICATION. In the last few months the filing system for the National Office has been completed. There is a seperate file folder for every member in the society. However, for many of the older members there is very little to file. Many recordr were lost in the moving of the office. To complete the records and bring them up to date every member was asked to file another application last May. These applications would also be used to reclassify any member who was entitled to reclassification. So far only 100 of the 2300 applications have been received. Is yours in?

MAGAZINE. Few, perhaps, are aware of the role the National Office plays with the SPE Journal. All material used in the magazine is collected in the National Office and turned over to the editor. The office helps in the proofreading and preparation of the magazine. The envelopes for the magazine are addressed and sorted in the National Office. All correspondence concerning the magazine is handled here.

ADDRESSES. The most trying work the office has is to keep up with the changes of address of the members. Unless one leaves a specific order for the forwarding of magazines when one moves, they are not forwarded. Sometimes they are not even returned. Often it is several months before the National Office is aware that the address it has is no longer of any use. Many times, when a man has been using his company address as his mailing address and then leaves the company, it is almost a year before the National Office knows of the change unless the company informs the office. The only mail that is forwarded, save to be returned if no forwarding address, is first class mail. Many is the time that first class mail has come back from a company address with the notation, "Left our employ over a year ago." What happened to the member's other mail is hard to tell. Once a month the National Office notifies each local section of the changes of address that have been received for that section.

NEW FUNCTIONS. The National Office has just added another function to its list. It will now handle the mimeographing and mailing for all national committees. All the chairman of the committee has to do is supply the list of names and send the material to be mimeographed. The list of names is kept in file and next time just the material to be distributed is sent in. It might be pointed out here that material that is sent in need not be typewritten. (It is hoped that this service will enable the committees to function easier.)

The National Office stands ready to assist all members whether they are officers, committeemen or just members.

Durez 14646, an intermediate-pressure, general-purpose material which requires approximately half the pressure normally used for regular general-purpose materials, has been announced by Durez Plastics & Chemicals, Inc., North Tonawanda, New York. The new material is designed to fill the gap between the company's low-pressure material, Durez 13527, and its regular general-purpose materials such as Durez 791. On the Durez Tube Base Plasticity Scale, the ratios of the three materials are: Durez 791, 12; Durez 14646, 20; Durez 13527, 32.

Complete data is available upon request.

WASHINGTON SCHOOL OF PLASTICS

By W. R. BAILEY

National Director, S.P.E.

Starting of the School

The Washington School of Plastics is a unique scientific school established in 1947 by W. R. Bailey for the teaching of plastics technology. This course as originally planned was revised by Dr. Gordon M. Kline, Chief of the Plastics Division, National Bureau of Standards and Dr. Ralph K. Witt, in charge of Plastics in the Chemical Engineering Department, John Hopkins University. Realizing the great need of chemistry to understand the fundamentals of plastics, Dr. S. H. Manian of the U. S. Research and Development Board set up the first phases of the "Introduction to Chemistry of Plastics." Through lectures and demonstrations he showed the students how raw materials—coal, wood, petroleum—produce synthetic resins; how vegetable and synthetic oil derivatives, added to resins, produce pliable plastics; and the identification of plastic resins by testing.

In 1945 and 1946 Mr. Bailey taught the "Fundamentals of Plastics" at George Washington University graduate school for military and civilian personnel training. When this course was completed there were numerous requests for advanced instruction in Plastic Technology, especially using laboratory facilities at which time the idea of an evening school was evolved. The School was set up in Washington, D. C., at 13th and G Streets, with limited laboratory facilities. Quite early in the beginning it appeared that the majority of prospective students would be veterans. This provided quite a hurdle for a newborn school since this would make it necessary to meet the stringent regulations set forth by the Veterans Administration as well as the District of Columbia School Board. All phases of the School, including instructors' background and experience, contents and caliber of instructional material and laboratory facilities were carefully scrutinized and continued to be before authorization was granted for veterans' training. Gradually more and better laboratory facilities were installed including additional courses to improve the training program in the field of plastics.

In May 1948 the School was moved to 1536 Connecticut Avenue, its present address, where it occupies two floors consisting of 8,000 square feet for laboratory space.

Typical Laboratory Scene

Educational Program

It was found that the realm of plastics was by no means limited to the chemists, engineers and the like. In fact, we learned that many who had very little knowledge of chemistry were anxious to learn what goes into that test tube and what to do with the ultimate products. It is gratifying to find how receptive these students are to the highly technical breakdown of plastics technology and related chemistry. Those having prior chemical training welcomed our chemical training as a refresher course.

The Chemistry of Plastics was designed to familiarize the students with the chemistry of the plastic resin components. They are taught the elements of inorganic and organic chemistry, the derivation and uses for plasticizers, the principles of physical testing, terms and procedures and methods of identifying plastics by tests.

In Plastics Technology students learn the "language" of plastics, the development and use of plastic resins, the structure, composition and manufacture of typical plastics-thermoplastics, etc. They study molding methods used in industry, the use of temperature charts, pressure and time control, also industrial methods of fabricating, machining and laminating.

Once these basic principles have been understood and passed, the student can get down to the actual working with the plastic materials. In "Applied Plastics Laboratory" the student applies the chemistry and technology to scientific practical fabrication, molding, testing, identification, carving, casting, laminating, coating and syntheses. In this course we have several specialized instructors who learn what specialized work the students are most adapted to and provide the essential basic instruction for their continuation.

We introduced plastic carving which is very popular since many of the students are interested in setting up their own businesses. This we have encouraged to the extent of lending our facilities, whenever available, for their needs. They learn the use and maintenance of carving tools and the description of plastic mechanisms. They learn carving and color properties of various plastic materials and receive detailed instruction in cutting internal designs. They reproduce pictures by etching on plastic and study the design and coloring of such items as jewelry.

Silk screening, especially as applied to plastics, is another process

introduced in our laboratory. This has been increasingly in demand and offers excellent opportunity for independent enterprise. We have had several students who set up small businesses for this type of work. They learn the art of etching and reproducing printing on plastic and other materials most adaptable to the process, the preparation and use of decalcomanias, textile printing, photographic screening, and flocking. Finally, they receive instruction in organizing a silk screening business and shop management.

Advanced casting is one of the latest courses offered, and this, we consider, is a contribution to the plastics industry, in that they learn model making, reproduction casting and mold-making with plastic materials. This course is designed especially for those showing aptitude toward model and prototyping in the "Applied Plastics Laboratory_" course.

Precision machining of plastics and Technology of Adhesives are the last two additions to the School and it is felt that these are perhaps the most progressive and important phases of plastics.

Machining is offered for those with a bent for mechanical work in plastics. This is perhaps the most interesting of the courses offered. Here the student learns precision cutting, machining, polishing and buffing of all types of plastics by starting with simple items and advancing through complex projects. This is regarded as of paramount importance since optimum use is the true test of plastics. The precision of this operation may class the item worked with as a replica of glass or metal but it usually surpasses anything in either field from the standpoint of appearance and durability.

"Modern Industrial Adhesives" is the description of natural glues, cements and pastes and their comparison with actual laboratory-made synthetic adhesives, also the application and durability of adhesives, bonding to metals, plastics, paper, leather, rubber, glass and other surfaces.

University Adaptation

It has been our experience that while the universities and colleges supply the fundamental education of chemistry, thus far they lack classification of plastics as a chemical material and property application needed as an introduction to the plastics industry. It appears that plastics as a specific field of endeavor has not "become of age" so to speak, so far as the average university is concerned. It is our belief that this highly progressive phase of chemistry should and must be developed as an integral part of university student training in mechanical, electrical and chemical engineering.

There is scarcely a phase of education offered engineering or chemistry college students which could not benefit by more extensive knowledge of plastics, their properties and uses. Incidentally, it would certainly be a tremendous step toward the advancement of plastics as well. We believe the student of architectural engineering for example would be an excellent person to whom the unlimited possibilities and applications of plastics should be made known as a part of his academic training. It is the desire of all who understand this need that such a program be inaugurated in colleges and universities such as Princeton and Johns Hopkins.

The purpose of the Washington School of Plastics, as well as other plastic technology training schools, is to serve as a fundamental aid to equip men for a useful place in the plastics field.

Instruction and Instructors

Our School has been fortunate thus far in getting the cooperation of expert instructors with many years' experience in highly specialized backgrounds to teach the individual phases of our specialized courses such as we offer the student in:

1. CHEMISTRY OF PLASTICS

(a) *Elements of Inorganic and Organic Chemistry.*—The fundamentals of chemistry related to Plastics, that one must know for a thorough understanding of Plastics.

(b) *Elementary Chemistry of Resinous Plastics.*—Classroom lectures and demonstrations show how raw materials—coal, wood, petroleum—produce synthetic resins.

(c) *Plasticizers.* — How vegetable and synthetic oil derivatives, added to resins, produce soft, pliable, elastic plastics.

(d) *Principles of Physical Testing, Terms and Procedures.*— How Plastics are tested for hardness, strength, elasticity . . . methods of identifying Plastics by tests. Terms used.

2. PLASTICS TECHNOLOGY

(a) *Plastic Resins.* — What they are used for and why, and how they were developed. A brief history of Plastics.

(b) *Terminology Used in Plastics.* —The technical "Language" of Plastics simply and clearly defined and explained.

(c) *Structure, Composition and Manufacture of Typical Plastics.* — How basic plastics are made from coal, cotton, stearin pitches and natural oils and resins.

(d) *Thermoplastics and Their Characteristics.* — Plastics shaped by heat and pressure. What they are used for and why.

(e) *Molding Compounds and Compositions.* — How fillers—wool, glass fibre, etc. — are compounded with resins to produce general purpose, heat resistant, high impact, bearing material, and high dimensional stability Plastics.

(f) *Compression, Transfer, Injection and Extrusion Molds and Methods of Molding.*—How to mold plastics . . . molds and molding methods used in industry . . . charts for temperature, pressure and time control . . . loading and unloading molds.

(g) *Methods of Fabricating and Machining.* — How circular saws, band saws, drill presses, milling machines, and lathes are used to shape and fabricate, cement and polish Plastics.

(h) *High Pressure Laminates and Laminating.*—The technique of laminating . . . procedures, presses, controls, materials used . . . what laminates will do, what they are used for.

(i) *Low Pressure Laminates and Laminating.* — Heating and cooling cycles . . . types of presses . . . the properties of low-pressure laminates . . . what they will do, what they are used for.

(j) *Post-Forming Materials and Casting Resins.*—Plastics that are shaped into final form after heating.

(k) *Plastics Compared with Metals.* — Strength, cost and advantages of Plastics compared with metals.

(l) *Methods of Testing and Identifying Plastic Materials.* — Physical, chemical, tensile, impact, hardness and flame tests.

(m) *New Developments and Trends in the Field of Plastics.*—New materials, new uses expected, development of the Plastics Industry, and opportunities offered trained men.

3. APPLIED PLASTICS LABORATORY

This course perfects the student's techniques in the scientific field of plastics. By practical, down-to-earth laboratory instruction, one gets first-hand knowledge of procedures and principles common to the Plastics Industry.

Most of our instructors have the advantage of having worked in the plastics industry in addition to their excellent academic backgrounds. For example, our principal chemistry of plastics instructor, Mr. Rupert C. Gates, Ph.B., obtained his academic training at Yale University in resin chemistry and has had years of industrial work in the plastics field as assistant Technical Director of Research with Makalot Plastics Company and Murphy's Paint and Varnish Company. Our fabrication and machinery is taught by men with a minimum of 20 years experience in that field. Our overall educational program is supervised by a teachers college graduate trained in this profession and a former Army officer.

Employment

Our industrial contacts have asked for our recommended trained students. Therefore, we have been able to make placements by referring students to companies where they may utilize their training to the best advantage.

Washington cannot be regarded as an industrial city which is something of a disadvantage, making it necessary for those desiring work in large industry to seek employment elsewhere, but the disadvantages can be outweighed by the availability of research facilities such as the Congressional Library, Carnegie, National Bureau of Standards, American Chemical Society, and etc. There are a few small companies in the vicinity of Washington, D. C. that have welcomed the opportunity to have their personnel trained in our plastics program prior to their company advancement. A great many have worked at plastics independently or have set up their own enterprise and here again we have offered our facilities and any aid at our disposal toward the accomplishment of these ventures.

Coordination with the Veterans Administration

It is a relatively simple matter for a veteran of World War II to apply for training at an institution such as ours by taking his discharge form to the nearest Veterans Administration Regional Office and requesting eligibility authorization to attend a particular institution that has been approved by the Veterans Administration. This usually will consume approximately one week. Then the student can register with the institution when classes are formed. The Veterans Administration provides payment for all training courses, including books and supplies as are deemed necessary. This is an opportunity that all GI's should take advantage of if at all possible. As of July 25, 1951, this opportunity will cease. Unless the individual is already in training he cannot be accepted under the GI Bill of Rights.

Courses in most institutions, similar to ours, are usually given on a night basis of approximately 12 hours a week, three or four evenings a week, or a full-time basis of approximately 25 hours a week. An all-around course can be completed in approximately one year in night school, or approximately six months in full-time day school.

PICKERING AT PLAX

Due to a change in position which will take him out of the area, Mr. George E. Pickering has resigned as President of the Eastern New England Section.

Mr. Melvin S. Haas of the Bolta Company, incumbent Vice President, will assume the duties as President until further notice.

Mr. Pickering has joined the sales force of the Plax Corporation of Hartford, Connecticut where he will take over sales in the New Jersey area.

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QUEBEC PLANS FALL SCHEDULE

By E. PETER HERSEY

During the past year the S.P.E., **QUEBEC SECTION** has had the privilege of introducing a number of outstanding plastics engineers to the benefit of those who attended our monthly meetings.

Mr. J. Harry Dubois of the Shaw Insulator Company delivered an outstanding lecture on "Transfer Molding." Sevn K. Moxness, process engineer of the Minneapolis Honeywell Regulator Company, delivered an excellent technical paper on "Live Steam Pre-Heating of Phenolic Molding Compounds." Mario Petretti, General Manager of the Plastics Division of the Noma Electric Company; James V. Veverit, President of the James V. Veverit and Assoc., a well known firm of Industrial designers; and others have all contributed to the successful year that the S.P.E., Quebec Section has enjoyed.

The increasing attendance and especially the stimulating question periods that constitute such an important part of all our meetings, has been very gratifying.

Preview the plastics experts who will insure the usual high quality of our fall S.P.E. programme, and we are sure that you will be anxious to participate in the increasing success of our meetings.

FRANK J. DONAHUE: Manager of Technical Service Thermosetting Molding Materials for the Monsanto Chemicals, Springfield, Mass. An outstanding trouble shooter on Thermosetting Molding Problems.

GORDON B. THAYER: Manager of Technical Service of the Plastics Division, The Dow Chemical Co., Midland, Mich. Mr. Thayer is author of the well-known book "Plastics Molds."

ISLYN THOMAS: President of the Thomas Mfg. Corp., Newark, New Jersey, and author of the technical book entitled "Injection Molding of Plastics."

LOUIS H. BARNETT: President of Loma Plastics Inc., Fort Worth, Texas. The Loma Plastics Inc. are injection and compression moulders and operators of the largest injection molding machine in existence.

ADD NEW PLASTIC FLOWER POT LINE

Permanently styled flower pots in lustrous plastic colors have just been announced by the Gits Molding Corporation, Chicago. Lending a modern decorator treatment to any interior or exterior floral design, the new flower pots are scientifically planned to improve plant growth.

These new flower pots are made of non-porous plastic, which, according to the manufacturer, prevents rapid evaporation of moisture with flowers requiring less frequent watering. The inside surface is serrated, providing a means of air circulation which proves beneficial to plant life.

There is no opening in the bottom and therefore no seepage of dirt or water. This makes it possible to use them anywhere without endangering the finish of furniture or woodwork.

Plastic flower pots are produced in circular design, 4½" high and 5" in diameter. They are light in weight and said to be practically unbreakable. Colors are Bright Red, Kelly Green, Ivory and Pearl White. The domestic retail price is 59c each. Descriptive literature may be obtained by writing Mr. C. N. Cahill, Vice President and General Sales Manager, Gits Molding Corporation, 4600 West Huron Street, Chicago 44, Illinois.

NEW YORK FILLS MEETING DATES

By A. M. MERRILL

September 21: Informal dinner meeting at Hotel Shelburne. No technical session. Meeting will be devoted to a discussion of plans and policies. There will also be a showing of the SPI film, "A Scientific Approach to Better Plastics."

October 19: New York Section will be host to the Newark Section at a joint dinner meeting at the Hotel Shelburne. Featured speaker at the technical session will be Gordon B. Thayer, Dow Chemical Co., who will discuss "Injection Molding Design of Polystyrene."

November 16: Regular dinner meeting at Hotel Shelburne. Technical speaker and topic will be announced at a later date.

December 21: Instead of a regular meeting, plans are being laid for a Christmas Party as a regular annual event. A definite announcement will be made sometime in the future.

Penn Notes

By PAUL ROCHE

Although several months have passed since your correspondent has has to scratch his head of a morning to meet a deadline, the news items basket is not very full because it has been going on three months since Old Mother SPE has brought us together and I don't know what's going on, what with people being here and there on vacation and all that.

The **NORTHWESTERN PENNSYLVANIA SECTION** summer outing will be the end of this week, which should provide a medium for getting up to date, but that will be so current that it will be past the deadline. Anyone requiring the latest and hottest dope, however, can phone me (prepaid) after that event and I'll be glad to give (if I survive).

Since we last went to press announcement has been recorded of the addition of Mr. A. J. Simons to the engineering staff at Oil City Machine and Tool Co., Oil City, Penna. Since his enrollment with the SPE three years ago, our records show that "Si" has been with Acorn Plastics Engineers Inc. (Erie) and Franklin Plastics and in him his new employers have engaged a well-rounded plastic tooling engineer.

(Capt.) Kenneth A. Erwin, General Electric Co., Erie, Penna., spent his summer vacation with his company at army reserve camp, and they beat him down to fighting trim we're told. We hope that Kenny will see his name in print and will be impressed to the point of exercising his membership and attending meetings.

Some people can chalk up their successes without leaving home. The Harold Cloyds announce the birth of William Harold Cloyd on August 19th. Harold, Mommy and Billy's three sisters are all enthusiastic about having another golfer around to perpetuate the family name.

(And now, off to the outing.)

Intricate Molds? The mold for the brush handles shown at the left *(courtesy Fuller Brush Company)* required not only intricate design, but ultra-smooth finish to meet today's mass production needs. Our sound engineering experience and modern equipment and methods are the answer. *WRITE FOR LITERATURE.*

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Section Notes

The **ST. LOUIS** Section is anticipating a banner season starting off with the September meeting. Our guest speaker for this program will be Mr. E. F. Borro of Durez Plastics & Chemicals, Inc. and his subject will be "Mold Design."

Membership interest is definitely on the increase and it is to be hoped, with the presentation of outstanding speakers such as Mr. Burro, the interest will become even greater.

The first meeting of the fall season for the **BALTIMORE-WASHINGTON** Section will be held at the National Bureau of Standards on September 20, 1949. Mr. Vernon M. Howe of the Cellulose Products Division, Eastman Kodak Company, will be the principal speaker. A demonstration of electronic sealing machines by Mr. R. S. Mongel, Spectrum Manufacturing Company, will be made in conjunction with Mr. Howe's talk.

NEWARK met at the Newark Athletic Club September 14 to hear A. T. Look of the Dow Chemical Company discuss "The Fundamentals of Polystyrene Extrusion." The October meeting will be held in New York with Newark the guests of the N.Y. section.

TOLEDO met at the Yacht Club for their ladies night meeting September 13. Dinner was at 6:30.

ST. LOUIS heard P. Yesikenas of Monsanto talk on "Plasticizers for Plastics" at their June 28 meeting. An attendance prize of two matched plastic utility cases was given by C. Todd Clark.

SOUTH TEXAS CALENDAR

Speaker	Topic or Field	Reception	House
SEPT. 21			
LOUIS H. BARNETT President Loma Plastics Ft. Worth	*New Approach to Large Injection Molded Parts*	M. A. Arthur	W. L. Barnes
OCT. 19			
HOWARD S. BUNN Vice-President in charge of Thermo-Plastic Sales Bakelite Corp. New York City	*Application of Molded and Extruded Vinyl Resins and Polyethylene*	E. J. Fox	J. A. Sinclair
NOV. 16			
R. W. VAN SICKLE Dow Chemical Co. Technical Service Midland, Mich.	*Some Aspects of Injection Molding*	L. D. Harvey	N. McFadye
DEC. 14			
Annual South Texas Business Meeting			
1950			
JAN. 18			
Open Date		D. E. Henderson	B. Wallin
FEB. 15			
Representative Rohm & Haas Philadelphia, Pa.	*Plexene TA*	V. C. Henrich	D. E. Bloxsom
MAR. 15			
THOMAS E. ORR Vice President Plastic Engineering Cleveland, Ohio	*Problems of the Injection Molder*	M. A. Arthur	B. W. Wallin
APRIL 19 (Tentative)			
JAMES R. TURNBULL Gen. Sales Mgr. Monsanto Chemical Co. Springfield, Mass.	(Open)	R. D. Dunlop	C. E. Shepherd
MAY 17			
Open Date		Phil Shay	W. L. Barnes

The men listed under Reception are responsible for the welfare of the speaker, while those listed under House are responsible for the arrangement of the dinner and the meeting place.

CHICAGO SECTION

The Society of Plastics Engineers and the Society of the Plastics Industry will hold a joint Golf Outing and Dinner on Friday, September 23, 1949 at the Elmhurst Country Club, near Bensenville, Illinois. Members and their guests invited. $10.00 per person. For reservations, call Clarence McCormick, CA 6-4540.

MIAMI VALLEY SECTION began another year of activities with its annual picnic meeting on Thursday, September 8, 1949 at NCR Old River Park. This yearly affair attracted a large membership turnout and was again arranged by Chester Kruger as Chairman and assisted by Gene Kniess.

The feature athletic event was a softball game between Dayton and Cincinnati. Members also participated in Shuffle Board, Badminton, Giant Checkers and Horseshoes. After all of this robust exercise, everyone partook of a buffet supper.

The speaker of the evening was Judge Rodney M. Love, Montgomery County Probate Judge, who talked on the subject, "Where There's a Will."

Since 1939—VIBRA-VEYOR

Now we offer in addition for drying and preheating plastic powder for injection, extrusion and compression

FOUR NEW MODELS:

1 TUMBLE-VEYOR — For 2 and 4 oz. 10 lbs. per hour

2 HOT-AIR-VEYOR — For 8 oz. 30 lbs. per hour

3 SPIRA-VEYOR — For 16 oz. or over 500 lbs. per hour

4 ROTO-VEYOR — For compression preforms

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The MISKELLA *Infra-Red* Company

Klippings from Kosy

By WALTER KOSY

Chemical Engineer, Lyon, Inc.

The Detroit Section of the SPE confined its summer activities to one golf meet which was held in June. The day turned out clear and sunny and the Section had a large turnout. Our hardworking golf committee saw to it that everyone won a prize and had a good time. The two people who ate dinners without paying for them are earnestly urged to send their five dollars to the Section treasurer and clear their conscience. No questions will be asked and it will help to straighten out our books.

Mr. **ED ACKERMAN** of the Hercules Powder Co. has resigned his position as plastic sales representative in the Detroit area to return to his native New York. After a brief vacation he plans to re-enter the business field in the East. Ed made many friends during the time he spent in the Midwest and we are sorry to see him go. Best of luck, anyway, Ed.

C. H. WHITLOCK ASSOCIATES of 1601 Fisher Bldg., Detroit, Mich. announce that they are now representing Gering Products, Inc. in the Michigan, Indiana, and Ohio territory with a complete line of thermoplastic molding powders including Polystyrene, acetate, vinyl, and polyethylene. They will also be in a position to service the trade in the re-coloring and reclaiming of scrap plastic materials. In the acetate sheeting field they are now handling the extruded sheet of the Midwest Plastic Company and represent them in this area.

CHARLES FRANTZ former plastics and die casting consultant in Detroit has been named general manager of the Plastics Manufacturing Co. in Dallas, Texas. The firm of **CHARLES H. FRANTZ, CONSULTANT** will continue in business with

(*Continued on Back Cover*)

MARTIN ADDS TO SALES STAFF

A. W. LaCOUTURE

DR. C. W. KLEIDERER

Making an expansion of the firm's marketing activities, appointment of three additional members to the sales staff has been announced by Harold M. Parsekian, Director of Sales and Technical Service for the Glenn L. Martin Company, Chemical Division.

F. L. HEMINGWAY

These new sales engineers have completed their indoctrination work and will undertake territorial assignments in the distribution of the vinyl chloride-type resin, Marvinol VR-10— and other products of the division. The newcomers are: Frank L. Hemingway, to cover the Chicago area east to Ohio; Arthur W. LaCouture, for Ohio and adjacent nearby points; and Dr. C. W. Kleiderer, for the New York City metropolitan area.

IMPERIAL

PRECISION CUSTOM MOLDERS of Bakelite, Plaskon, Tenite, Beetle, Durez, Makalot, Lucite . . .

★ COMPRESSION PROCESS
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As a pioneer in the plastic industry, Imperial Molded has acquired broad experience in handling of inserts, molding of threads, making deep draws, side-cores, horizontal bosses, etc. Much of the work, involving the solution of tough problems, has resulted in new advances in compression molding accuracy on a commercial basis.
Ask for Bulletin K-200 which is a brief picture story of how Imperial Molded operates. Also Bulletin K-100 showing stock pulls, knobs and handles.

IMPERIAL MOLDED PRODUCTS CORP.
L. H. Amrine, President
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OVENS DRYERS

• Custom Designed and Built to fit your production needs.
Gas, Electric ad Steam models

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PHILLY GOLFS

By H. S. STEVENSON

The regular June meeting of the **PHILADELPHIA SECTION** consisted of a Golf Outing at the new Du Pont Country Club, Wilmington, Delaware, on June 21, 1949. Twenty-eight members and guests teed off at approximately 1:30 p.m. for eighteen holes of golf. Prizes were awarded as follows.

Low Net _____ Harry Harp
Low Gross _____ Geo. Koch, Jr.
Hat (unusual) ___ Graeff W. Glenn
Second Low Net ___ Bill Dunnican
Special High Score _____
_____ John Lauterbach
Second Low Gross _____ V. Olsen
Second Kickers _____ Andy Dukert
Closest to Pin _____ Bill Preston
Special Highest Score on Hole
_____ Earnest Brown
Third Kickers _____ Frank Slavin
Fourth Kickers ___ Clayton Wetzel
Third Low Net _____ J. M. King
Third Low Gross ____ A. R. Olsen

After the usual cocktails, fifty members and guests enjoyed a good steak dinner at 8:00 p.m. This was followed by distribution of the prizes. Everyone received a prize, most of which were contributed by the plastics industry.

Rogers Plastic Corporation Offers Manufacturers' Molding Service and Ideal Distribution Arrangement

The management has been in the plastics industry since its pioneer days.

Rogers Plastic Corporation
West Warren, Mass.

COLOR STANDARDS FOR UREA SET

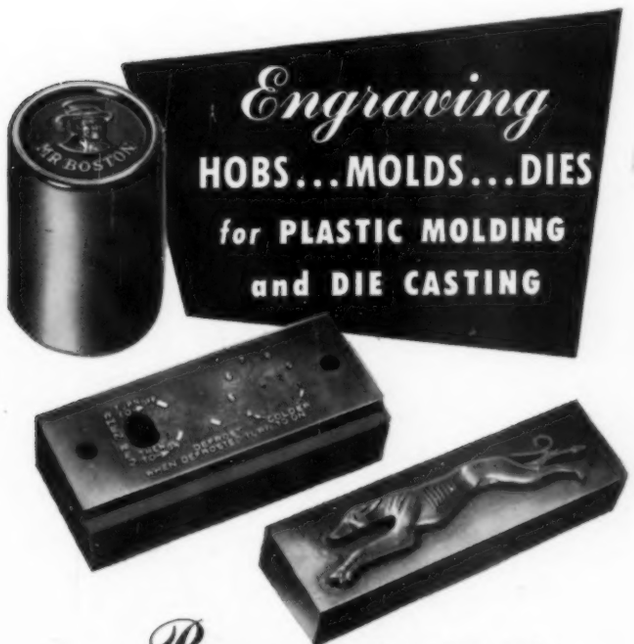
Colors for Molded Urea Plastics, Commercial Standards CS147-47, will be available for purchase from the Superintendent of Documents, National Bureau of Standards, within about two months. The purpose of this commercial standard is to promote understanding and to facilitate the sale and purchase of colored molded urea plastic materials and products, to accomplish clear understanding between molders, manufacturers, and purchasers of goods as to the exact color wanted, an easy method of designating colors, allowing simpler contracts with purchasers of molded products, and so on. For further information write to National Bureau of Standards, Washington 25.

PMMA BOOK OUT

The 1949 edition of the handbook "How To Buy and Sell Plastics" has just been published by the Plastic Materials Manufacturers Association, Inc. Although the first edition made its appearance only a few months ago in late 1948, the demand for this book has continued at such high level that it has been necessary to bring out another edition which has been revised to bring it up-to-date for this fast moving industry.

This rapid expansion of the plastics industry and continued high levels of production and consumption since the war have brought many problems of consumer and trade education. Department store buyers were quick to learn that the word plastics is a family name, comparable to wood and textiles. The search for additional information hasn't been easy for these buyers for they soon realized they were in a highly technical field. Attempting to distinguish one plastic from another was something, they said, for chemists, not retailers.

The **CENTRAL OHIO SECTION** combined their first fall meeting of September 8, with the C. T. C. Technical Society opener at Columbus, Ohio.



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SHORT-CUTS TO PRODUCTION #3

DESIGN Restyling their "Aquamatic" hydraulic jet water pump, Johnston Pump Co. engineers perfected the jet assembly but found material and machining costs of special metal alloy would be too high.

MATERIAL Research led to the plastics field, where Johnston found the solution in a Durez phenolic casting resin possessing many properties of the alloy metal. This was combined with a simple metal tube for the Venturi throat. Use of the resin saved on material cost, simplified alignment of the assembly, greatly reduced machining . . . and it also lowered the finished weight.

METHOD A 3-section precision-machined mandrel gives the desired form to the resin. With metal alloy tube in position, the mandrel is placed within the pipe sleeve and the liquid casting resin is poured in. Sleeve, resin, and tube become a homogeneous unit. Results have been so successful that patents are pending on this Johnston process.

INFORMATION For more details on the many uses of casting resins in industry, write Durez Plastics & Chemicals, Inc., 339 Walck Road, North Tonawanda, N. Y.

Casting Resins
PHENOLIC RESINS THAT FIT THE JOB

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KLIPPINGS

(*Continued from Page Eight*)

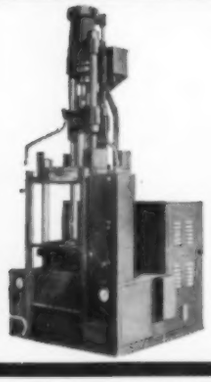
LEROY LYON as general manager at their new offices on 22087 Michigan Ave, Dearborn, Michigan. They are well equipped to render service on problems relating to the plastics and die-casting industries.

Friends of **ERNIE STORFER** will be glad to hear that as of this writing his condition is improving satisfactorily. Popular and energetic Dr. Storfer of the Chrysler Rubber and Plastics Laboratory recently underwent a serious operation for stomach ulcers at the Henry Ford Hospital in Detroit. Get well quick, Doc.

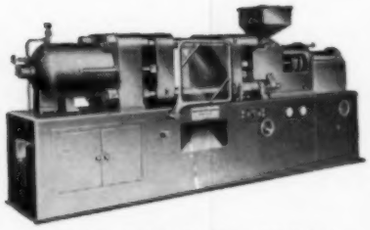
If you are looking for a young man with sales experience and technical research in plastics gained at Battelle Memorial Institute, to be trained for plastics sales, then it will pay you to drop a line of inquiry to the SPE Journal, Athens, Ohio for further details.

WATSON - STILLMAN
Roselle, N. J.
Est. 1848

"COMPLETE LINE"

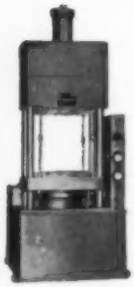


Vertical Injection Molding Machines 1, 2, and 4 Ounces



Horizontal Injection Molding Machines 8 to 80 Ounces

Preform Tableting Machines 10 and 100 Tons



Transfer Molding Machines 30 to 1200 Tons

General Purpose Presses 20 to 200 Tons

Compression Molding Presses 50 to 1200 Tons